

Abstract of the Disclosure

A system and method for adjusting the flying height of a magnetic head above a magnetic storage medium, such as a disk, is disclosed. A charging electrical pad may be coupled to the slider separate from the magnetic head to allow a charging electrical conductor to apply an electrical charge to the slider. By acting as a quasi-parallel capacitor, the amount of spacing in the head-disk interface may be increased or decreased based on the amount of voltage applied. The slider may be electrically isolated from the suspension. A feedback control system may monitor and control the head-disk spacing by measuring temperature or other environmental conditions surrounding the slider and disk.